

D-Link*Air* Pro DWL-A520 5GHz Wireless PCI Adapter



- **5GHz IEEE 802.11a Compliant**
- **Up to 72 Mbps in "Turbo" Mode**
- **152-bit WEP Encryption**
- **Eight (8) Non-Overlapping Channels**
- **Diagnostics Software**

5GHz 802.11a Wireless CardBus Adapter

As an industry leader, D-Link is introducing the next generation of wireless products with its high-performance D-Link*Air* Pro series of 5GHz networking technology.

At 54 Mega bits per second (Mbps), the D-Link*Air* Pro 5GHz DWL-A520 high-speed wireless PCI adapter delivers unsurpassed wireless performance. With IEEE 802.11a standard compliance, the D-Link*Air* Pro DWL-A520 high-speed wireless adapter is designed for indoor use and provides excellent network scalability.

A proprietary "Turbo" mode feature allows the D-Link DWL-A520 to operate at significantly greater bandwidth data rates up to 72 Mbps. Eight non-overlap-

ping channels create less interference, which delivers higher average cell throughput. The D-Link*Air* DWL-A520 employs enhanced 152-bit Wired Equivalent Privacy (WEP) network security to protect data from unauthorized access.

D-Link*Air* Pro DWL-A520 is easily installed inside a PC to provide connectivity directly to another wirelessly enabled device (ad-hoc mode) or through an 802.11a based access point (infrastructure mode). It also features an easy to use diagnostics utility software program called LinkMon, which helps users easily identify and troubleshoot signal strength within the wireless network.

The D-Link*Air* Pro DWL-A520 Includes

Wireless Networking Adapter
Quick Install Guide
Software/Driver CD
Manual on CD

Technical Specifications

Standards

IEEE 802.11a

Local Bus Architecture

- PCI 2.2 compliant
- PCI 32-bit interface

OS Supported

- Windows 98SE
- Windows ME
- Windows 2000
- Windows XP

Frequency Range

U-NII Band 5.150 - 5.350GHz

Range

- 54 Mbps @ 40 feet
- 6 Mbps @ 300 feet

Data Rates

- 6, 9, 12, 18, 24, 36, 48, 54 Mbps in accordance with the IEEE 802.11a standard
- 72 Mbps using D-Link "Turbo" mode

Data Security

- 64-bit WEP Encryption
- 128-bit WEP Encryption
- 152-bit Enhanced WEP Encryption

Network Architecture

- Ad-Hoc Mode (Peer-to-Peer without Access Point)
- Infrastructure Mode (Communications with Access Points)

Modulation Technology

Orthogonal Frequency Division Multiplexing (OFDM)

Available Channels

Eight (8) non-overlapping channels for North America

Protocols

- TCP/IP
- IPX/SPX
- NetBEUI
- DHCP

Diagnostic LEDs

- Power
- Link

Antenna Type

Integrated dual diversity antenna with 1.5dBi gain

Power Consumption

- Sleep mode - <40mW
- Transmit mode - 1650mW
- Receive mode - 1250mW

Operating Voltage

3.3V± -10%

Physical Dimensions

- L = 5.24 inches (133 mm)
- W = 4.76 inches (121 mm)
- H = 0.71 inches (18mm)

Weight

0.5 lbs

Operating Temperature

32°F to 140°F (0°C to 60°C)

Emissions Compliance

- FCC part 15b
- UL1950-3

FCC Guideline

For indoor use only

Warranty

Three Years



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FCC Guidelines: Modifications to this device are not authorized, may violate FCC regulation Part 15.407, and will void the warranty for this product. This device is intended to operate in the frequency band of 5.15 to 5.25 GHz under all conditions of normal operation. According to FCC 15.407 (e), normal operation of this device is restricted to indoor use only to reduce any potential harmful interference to co-channel Mobile Satellite Systems, or radar systems that use 5.25 to 5.35 GHz and 5.65 to 5.85 GHz frequency bands. This interference could also damage this device.

D-Link®

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